WHAT IS CLAIMED IS:

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1	1.	A method of purifying used oil comprising the steps of:
2		placing used oil into a continuous flow apparatus;
3		contacting the used oil with a base introduced at such a rate as to maintain
4		the base at about 1 weight % to about 10 weight % of the oil composition;
5		contacting the used oil with a phase transfer catalyst introduced at such a
6		rate as to maintain the phase transfer catalyst at about 2. weight % to about 10
7		weight % of the oil composition;
8		heating the composition to a temperature between about 200°C and about
7738 7930 0 1 2 3 3 4 5.		275°C;
0		mixing the composition;
1		separating the resultant mixture using a first distillation at a temperature of
2		from about 200°C to about 275°C and a pressure of from about 100 torr to about
3		200 torr; and
4		purifying the used oil using a second distillation at a temperature of from
5		about 275°C to about 300°C and a pressure of from about 0.05 torr to about 0.20
6		torr.
1	2.	The method as recited in Claim 1 additionally comprising the step of:
2		heating the oil composition obtained from the first distillation to a
3		temperature between about 200°C and about 300°C; and
4		mixing the composition after the first distillation but before the second
5		distillation.
1	3.	A method of purifying used oil comprising the steps of:

placing used oil into a continuous flow apparatus;

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contacting the used oil with a base selected from the group including sodium hydroxide and potassium hydroxide introduced at such a rate as to maintain the base at about 1 weight % to about 10 weight % of the oil composition;

contacting the used oil with ethylene glycol introduced at such a rate as to maintain the phase transfer catalyst at about 1 weight % to about 10 weight % of the oil composition;

heating the composition to a temperature between about 200^{0} C and about 275^{0} C:

mixing the composition;

separating the resultant mixture using a first distillation at a temperature of from about 200° C to about 275° C and a pressure of from about 100 torr to about 200 torr; and

purifying the used oil using a second distillation at a temperature of from about 275° C to about 350° C and a pressure of from about 0.05 torr to about 0.20 torr.